

CURRICULUM VITAE

Priv.-Doz. Dr. med. univ. Johanna Strobl, PhD

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ACADEMIC CAREER

Since 2025	Specialist for Dermato-Venerology, Department of Dermatology, Medical University of Vienna
Since 2023	Internal Tenure-Track Program (IKV), Medical University of Vienna
Since 2021	Post-doctoral Research Associate/ Principal Investigator, Department of Dermatology, Medical University of Vienna and CeMM Research Center for Molecular Medicine, Vienna
2019 - 2025	Resident doctor, Department of Dermatology, Medical University of Vienna
2022 - 2024	Visiting Research Associate, Wellcome Sanger Institute, Cambridge, UK
2015 - 2019	Pre-doctoral Researcher, PhD Program Immunology, Department of Dermatology, Medical University of Vienna. Thesis: From Immunosuppression to Inflammation: Human tissue-resident memory T cells. Supervisor: Assoc. Prof. Dr. Georg Stary
2015	Resident doctor (Dr. Püspök-Schwarz, Dermatology/Venerology Vienna)
2012	Research assistant, Vaccine and Infectious Diseases Division, Fred Hutchinson Cancer Research Center and University of Washington, Seattle, WA
2008 – 2015	Medical graduate studies, Degree: Doctor of Human Medicine; Medical University of Vienna /University of Washington Medical School, Seattle. Thesis: Exosomal microRNA molecules in human semen and their effects on genital immunity. Supervisor: Prof. DDr. Florian Hladik (University of Washington)

RESEARCH PROFILE

Number of publications/proceedings (excl. conference contributions): 33 (first/last author: 15), citation number 933, h-index 11 (Jan 2025, Source: Researchgate.net).

Main research interests: Skin immune memory in inflammatory skin diseases and tick-borne infections, including Lyme borreliosis. Migration and reconstitution of skin-resident immune cells in allogeneic hematopoietic stem cell transplantation and graft-versus-host disease; Tissue-resident memory T cells and tumor microenvironment in cutaneous T cell lymphoma and Kaposi sarcoma.

TEACHING APPOINTMENTS

2024	<i>Venia docendi</i> (Habilitation), Medical University of Vienna
Since 2020	Lecturer for allergic and inflammatory skin diseases ("Block 26"), Medical Curriculum Vienna
2017-2022	Teaching assistant ("Block 1", "POL"), Medical University of Vienna
2012-2014	Graduate teaching assistant, Center for Anatomy and Cell biology, Medical University of Vienna

(Co-)supervision of diploma (5), bachelor (1) and master theses (2).

OTHER ACADEMIC ACTIVITIES

Adjudication Committee Member, Pfizer-Valneva Phase III Lyme disease vaccine trial
Junior Deputy Editor, SKINdeep (Journal of the Austrian Society for Dermatology)
Ad-hoc Reviewer for *Blood*, *Clinical Immunology*, *Journal of Investigative Dermatology*
Board member, Austrian Society for Allergology and Immunology (ÖGAI)
Founding member, Next Generation Immunologists (ÖGAI) and Young European Federation of Immunological Societies (yEFIS)
Mentee at the ESDR Academy for Future Leaders in Dermatology
Memberships: AAI, ADF, AustroTx, ESCMID, ESCBOR, ESDR, OeGHO, ÖGAI, ÖGDV

SELECTED COLLABORATION PARTNERS

Prof. Muzlifah Haniffa, Wellcome Sanger Institute, Cambridge, UK; Topic: Single cell RNA profiling of the tumor microenvironment in cutaneous T cell lymphoma
Univ. Prof. Dr. Georg Stary, Department of Dermatology, and Univ. Prof. Dr. Werner Rabitsch, Department of Internal Medicine I, Medical University of Vienna. Topic: T cells in Graft-versus-host disease.
Univ. Prof. Dr. Hannes Stockinger and Michiel Wijnvield, PhD, Center for Pathophysiology, Infectiology and Immunology, Medical University of Vienna, Austria, Topic: Immune profiling in tick bites and Lyme borreliosis.
Univ. Prof. Dr. Peter Wolf and Vijay Kumar Patra, PhD, Medical University of Graz, Austria and Inserm International Center for Infectiology Research, France. Topic: Skin-resident memory T cells in chronic recurring inflammatory skin

SELECTED GRANTS AND AWARDS

2024	ESCMID Research Grant Christian Doppler Lab for Chronic Inflammatory Skin Diseases (Co-PI)
2023	Medical Scientific Grant awarded by the major of Vienna, Austria Karl-Landsteiner Award of the Austrian Society for Immunology LEO Pharma Young Investigator Award
2022	La Roche-Posay Research Awards Europe Ing.-Peter -Maiwald Commemoration Prize, AustroTransplant Start-up Funds, Research Platform Transplantation Science Award, Austrian Society for Dermatology and Venerology Dora Brücke-Teleky Award of the College of Physicians in Vienna Young & Wild Award, International Conference of Lyme borreliosis
2021	Clinician Scientist Fellowship, Austrian Society for Dermatology Researcher of the Month, Medical University of Vienna Egon Macher Award, Arbeitsgemeinschaft Dermatologische Forschung Dissertation Award, Austrian Society for Allergology and Immunology
2020	Heinrich-Auspitz Award, Austrian Society for Dermatology American Association of Immunologists Trainee Abstract Award
2019	Medical Scientific Grant awarded by the major of Vienna, Austria Young Investigator Award, Austrian Society for Hemato-Oncology PhD scholarship grant (DOC-program), Austrian Academy of Sciences

PUBLICATIONS – PEER REVIEWED ORIGINAL WORK

1. Kleissl L*, Weninger S*, Winkler F, Ruivo M, Wijnveld M, **Strobl J**. Ticks' tricks: Immunomodulatory effects of ixodid tick saliva at the cutaneous tick-host interface. *Front Immunol*. 2025. *In press*. doi: 10.1111/imr.13213
2. **Strobl J**, Bayer N, Wachter B, Revertera M, Knaus H, Wohlfarth P, Rabitsch W, Kuchler U, Hopfinger G. Dental Health, Conditioning and Oral Mucositis in Allogeneic HSCT: A Single-Center Study. *Cytotherapy*. 2025. *In press*.
3. Li R*, **Strobl J***, Poyner EFM*, Balbaa A*, Torabi F, Mazin PV, Chipampe NJ, Stephenson E, Ramírez-Suástegi C, Shanmugiah VBM, Gardner L, Olabi B, Coulthard R, Botting RA, Zila N, Prigmore E, Gopee NH, Chroscik MA, Kritikaki E, Engelbert J, Goh I, Chan HM, Johnson HF, Ellis J, Rowe V, Tun W, Reynolds G, Yang D, Foster AR, Gambardella L, Winheim E, Admane C, Rumney B, Steele L, Jardine L, Nenonen J, Pickard K, Lumley J, Hampton P, Hu S, Liu F, Liu X, Horsfall D, Basurto-Lozada D, Grimble L, Bacon CM, Weatherhead SC, Brauner H, Wang Y, Bai F, Reynolds NJ, Allen JE, Jonak C, Brunner PM, Teichmann SA, Haniffa M. Cutaneous T cell lymphoma atlas reveals malignant TH2 cells supported by a B cell-rich tumor microenvironment. *Nat Immunol*. 2024 Dec;25(12):2320-2330. doi: 10.1038/s41590-024-02018-1. Epub 2024 Nov 18. Erratum in: *Nat Immunol*. 2025 Jan;26(1):147. doi: 10.1038/s41590-024-02046-x.
4. Strobl K, Klufa J, Jin R, Artner-Gent L, Krauß D, Novoszel P, **Strobl J**, Sary G, Vujic I, Griss J, Holcman M, Farlik M, Homey B, Sibilia M, Bauer T. JAK-STAT1 as therapeutic target for EGFR deficiency-associated inflammation and scarring alopecia. *EMBO Mol Med*. 2024 Dec;16(12):3142-3168. doi: 10.1038/s44321-024-00166-3. Epub 2024 Nov 9.
5. **Strobl J**, Gail LM, Krecu L, Madad S, Kleissl L, Unterluggauer L, Redl A, Brazdilova K, Saluzzo S, Wohlfarth P, Knaus HA, Mitterbauer M, Rabitsch W, Haniffa M, Sary G. Diverse macrophage populations contribute to distinct manifestations of human cutaneous graft-versus-host disease. *Br J Dermatol*. 2024 Feb 16;190(3):402-414. doi: 10.1093/bjd/ljad402. Erratum in: *Br J Dermatol*. 2024 Jun 20;191(1):e1. doi: 10.1093/bjd/ljae157.
6. Zila N, Eichhoff OM, Steiner I, Mohr T, Bileck A, Cheng PF, Leitner A, Gillet L, Sajic T, Goetze S, Friedrich B, Bortel P, **Strobl J**, Reitermaier R, Hogan SA, Martínez Gómez JM, Staeger R, Tuchmann F, Peters S, Sary G, Kuttke M, Elbe-Bürger A, Hoeller C, Kunstfeld R, Weninger W, Wollscheid B, Dummer R, French LE, Gerner C, Aebersold R, Levesque MP, Paulitschke V. Proteomic Profiling of Advanced Melanoma Patients to Predict Therapeutic Response to Anti-PD-1 Therapy. *Clin Cancer Res*. 2024 Jan 5;30(1):159-175. doi: 10.1158/1078-0432.CCR-23-0562.
7. Gail LM, Schell KJ, Łacina P, **Strobl J**, Bolton SJ, Steinbakk Ulriksen E, Bogunia-Kubik K, Greinix H, Crossland RE, Inngjerdingen M, Sary G. Complex interactions of cellular players in chronic Graft-versus-Host Disease. *Front Immunol*. 2023 Jun 26;14:1199422. doi: 10.3389/fimmu.2023.1199422.

8. **Strobl J**, Haniffa M. Functional heterogeneity of human skin-resident memory T cells in health and disease. *Immunol Rev.* 2023 Jul;316(1):104-119. doi: 10.1111/imr.13213. Epub 2023 May 5.
9. **Strobl J**, Huber B, Heredia RJ, Kirnbauer R, Boztug K, Stry G. Polymerase- δ -deficiency as a novel cause of inborn cancer predisposition associated with human papillomavirus infection. *Br J Dermatol.* 2023 Feb 14;ljad021. doi: 10.1093/bjd/ljad021. Epub ahead of print.
10. Pandey RV*, **Strobl J***, Redl A, Unterluggauer L, Gail L, Kleissl L, Müller S, Atzmüller D, Fife-Gernedl V, Krausgruber T, Knaus H, Mitterbauer M, Wohlfarth P, Rabitsch W, Bock C, Stry G. Epigenetic regulation of T cell lineages in skin and blood following hematopoietic stem cell transplantation. *Clin Immunol.* 2023 Mar;248:109245. doi: 10.1016/j.clim.2023.109245. Epub 2023 Jan 23.
11. Ressler JM, Zila N, Korosec A, Yu J, Silmbrod R, Bachmayr V, Tittes J, **Strobl J**, Lichtenberger BM, Hoeller C, Petzelbauer P. Myofibroblast stroma differentiation in infiltrative basal cell carcinoma is accompanied by regulatory T-cells. *J Cutan Pathol.* 2022 Dec 23. doi: 10.1111/cup.14381. Epub ahead of print.
12. Bayer N, Hausman B, Pandey RV, Deckert F, Gail LM, **Strobl J**, Pjevac P, Krall C, Unterluggauer L, Redl A, Bachmayr V, Kleissl L, Nehr M, Kirkegaard R, Makristathis A, Watzenboeck ML, Nica R, Staud C, Hammerl L, Wohlfarth P, Ecker RC, Knapp S, Rabitsch W, Berry D, Stry G. Disturbances in microbial skin recolonization and cutaneous immune response following allogeneic stem cell transfer. *Leukemia.* 2022 Nov;36(11):2705-2714. doi: 10.1038/s41375-022-01712-z.
13. **Strobl J**, Muendler V, Müller S, Gindl A, Berent S, Schötta AM, Kleissl L, Staud C, Redl A, Unterluggauer L, Aguilar González AE, Weninger ST, Atzmüller D, Klasinc R, Stanek G, Markowicz M, Stockinger H, Stry G. Tick feeding modulates the human skin immune landscape to facilitate tick-borne pathogen transmission. *J Clin Invest.* 2022 Sep 27:e161188. doi: 10.1172/JCI161188.
14. Uhl B, Prochazka KT, Pansy K, Wenzl K, **Strobl J**, Baumgartner C, Szmyra MM, Waha JE, Wolf A, Tomazic PV, Steinbauer E, Steinwender M, Friedl S, Weniger M, Küppers R, Pichler M, Greinix HT, Stry G, Ramsay AG, Apollonio B, Feichtinger J, Beham-Schmid C, Neumeister P, Deutsch AJ. Distinct Chemokine Receptor Expression Profiles in De Novo DLBCL, Transformed Follicular Lymphoma, Richter's Transformed DLBCL and Germinal Center B-Cells. *Int J Mol Sci.* 2022 Jul 17;23(14):7874. doi: 10.3390/ijms23147874.
15. **Strobl J***, Patra V*, Atzmüller D, Reiningger B, Kleissl L, Gruber-Wackernagel A, Nicolas JF, Stry G, Vocanson M, Wolf P. Accumulation of Cytotoxic Skin Resident Memory T Cells and Increased Expression of IL-15 in Lesional Skin of Polymorphic Light Eruption. *Front Med (Lausanne).* 2022 Jun 10;9:908047. doi: 10.3389/fmed.2022.908047.

16. Gindl A, Schötta AM, Berent S, Markowicz M, Stockinger H, Thalhammer F, Sary G*, **Strobl J***. Persistent Lyme disease with cutaneous *Borrelia* biofilm formation. *Br J Dermatol*. 2022 Jun;186(6):1041-1043. doi: 10.1111/bjd.20977. Epub 2022 Apr 3.
17. Saluzzo S, Pandey RV, Gail LM, Dingelmaier R, Kleissl L, Shaw L, Reininger B, Atzmüller D, **Strobl J**, Touzeau-Römer V, Beer A, Staud C, Rieger A, Farlik M, Weninger W, Stingl G, Sary G. Delayed antiretroviral therapy in HIV-infected individuals leads to irreversible depletion of skin- and mucosa-resident memory T cells. *Immunity*. 2021 Dec 14;54(12):2842-2858.e5. doi: 10.1016/j.immuni.2021.10.021.
18. **Strobl J***, Gail LM*, Kleissl L, Pandey RV, Smejkal V, Huber J, Puxkandl V, Unterluggauer L, Dingelmaier-Hovorka R, Atzmüller D, Krausgruber T, Bock C, Wohlfarth P, Rabitsch W, Sary G. Human resident memory T cells exit the skin and mediate systemic Th2-driven inflammation. *J Exp Med*. 2021 Nov 1;218(11):e20210417. doi: 10.1084/jem.20210417.
19. **Strobl J**, Sinz C, Heil PM, Sary G, Weninger W. Cutaneous ulceration as primary presentation of TEMPI syndrome. *J Eur Acad Dermatol Venereol*. 2021 Dec;35(12):e891-e894. doi: 10.1111/jdv.17539.
20. **Strobl J**, Pandey RV, Krausgruber T, Bayer N, Kleissl L, Reininger B, Vieyra-Garcia P, Wolf P, Jentus MM, Mitterbauer M, Wohlfarth P, Rabitsch W, Stingl G, Bock C, Sary G. Long-term skin-resident memory T cells proliferate in situ and are involved in human graft-versus-host disease. *Sci Transl Med*. 2020 Nov 18;12(570):eabb7028. doi: 10.1126/scitranslmed.abb7028.
21. Sary V, Pandey RV, **Strobl J**, Kleissl L, Starlinger P, Pereyra D, Weninger W, Fischer GF, Bock C, Farlik M, Sary G. A discrete subset of epigenetically primed human NK cells mediates antigen-specific immune responses. *Sci Immunol*. 2020 Oct 16;5(52):eaba6232. doi: 10.1126/sciimmunol.aba6232.
22. Reithofer M, Karacs J, **Strobl J**, Kitzmüller C, Polak D, Seif K, Kamalov M, Becker CFW, Greiner G, Schmetterer K, Sary G, Bohle B, Jahn-Schmid B. Alum triggers infiltration of human neutrophils ex vivo and causes lysosomal destabilization and mitochondrial membrane potential-dependent NET-formation. *FASEB J*. 2020 Oct;34(10):14024-14041. doi: 10.1096/fj.202001413R.
23. Sary V, Wolf B, Unterleuthner D, List J, Talic M, Laengle J, Beer A, **Strobl J**, Sary G, Dolznig H, Bergmann M. Short-course radiotherapy promotes pro-inflammatory macrophages via extracellular vesicles in human rectal cancer. *J Immunother Cancer*. 2020 Aug;8(2):e000667. doi: 10.1136/jitc-2020-000667.
24. **Strobl J**, Pandey RV, Krausgruber T, Kleissl L, Reininger B, Herac M, Bayer N, Krall C, Wohlfarth P, Mitterbauer M, Kalhs P, Rabitsch W, Bock C, Hopfinger G, Sary G. Anti-Apoptotic Molecule BCL2 Is a Therapeutic Target in Steroid-Refractory Graft-Versus-Host Disease. *J Invest Dermatol*. 2020 Nov;140(11):2188-2198. doi: 10.1016/j.jid.2020.02.029.

25. **Strobl J**, Salat A, Bauer W, Stary G. Perianal ulceration as primary presentation in a patient with disseminated multi-drug resistant tuberculosis. *J Dtsch Dermatol Ges.* 2020 Apr;18(4):372-374. doi: 10.1111/ddg.14031.
26. Patra V, **Strobl J**, Gruber-Wackernagel A, Vieyra-Garcia P, Stary G, Wolf P. CD11b+ cells markedly express the itch cytokine interleukin-31 in polymorphic light eruption. *Br J Dermatol.* 2019 Nov;181(5):1079-1081. doi: 10.1111/bjd.18092.
27. Brügggen MC*, **Strobl J***, Koszik F, Naito R, Vierhapper M, Li N, Stary G, Kiprov H, French LE, Stingl G. Subcutaneous White Adipose Tissue of Healthy Young Individuals Harbors a Leukocyte Compartment Distinct from Skin and Blood. *J Invest Dermatol.* 2019 Sep;139(9):2052-2055.e7. doi: 10.1016/j.jid.2019.02.034.
28. Hladik F, Burgener A, Ballweber L, Gottardo R, Vojtech L, Fourati S, Dai JY, Cameron MJ, **Strobl J**, Hughes SM, Hoesley C, Andrew P, Johnson S, Piper J, Friend DR, Ball TB, Cranston RD, Mayer KH, McElrath MJ, McGowan I. Mucosal effects of tenofovir 1% gel. *Elife.* 2015 Feb 3;4:e04525. doi: 10.7554/eLife.04525. Erratum in: *Elife.* 2015;4. doi: 10.7554/eLife.07586.
29. Vojtech L, Woo S, Hughes S, Levy C, Ballweber L, Sauteraud RP, **Strobl J**, Westerberg K, Gottardo R, Tewari M, Hladik F. Exosomes in human semen carry a distinctive repertoire of small non-coding RNAs with potential regulatory functions. *Nucleic Acids Res.* 2014 Jun;42(11):7290-304. doi: 10.1093/nar/gku347.

PUBLICATIONS – OTHER WORK

30. **Strobl J.** [ÖGDV Preisträger:innen stellen sich vor: Lukas Leiendecker, Laura Marie Gail und Johanna Strobl erhalten den Wissenschaftspreis der ÖGDV 2022]. *J Dtsch Dermatol Ges.* 2023 Oct;21(10):1271-1272. German. doi: 10.1111/ddg.15259_g.
31. **Strobl J.** Next Generation Skin Diagnostics. *Spectrum Dermatologie* 4/22 Dec 2022. German.
32. **Strobl J.** Preisträger stellen sich vor: Johanna Strobl erhält das Clinician Scientist Research Fellowship in Dermatovenereology der ÖGDV 2021. *J Dtsch Dermatol Ges.* 2022 May;20(5):739-740. doi: 10.1111/ddg.14801_g.
33. Stary G, Fabri M, Gebhardt C, Eming R, Matthias J, Vorobyev A, Effern M, **Strobl J**, Günther C, Zielinski C, Dudziak D, Géraud C, Raker V, Butze M, Zhao F, Wang Y, Gerloff D, Bertschi NL, Gaffal E, Buhl T. Meeting Report: 47th Annual Meeting of the "Arbeitsgemeinschaft Dermatologische Forschung". *Exp Dermatol.* 2022 Mar 1. doi: 10.1111/exd.14546.
34. **Strobl J**, Borek I. Preisträgerinnen stellen sich vor: Der Heinrich Auspitz Preis der ÖGDV 2020 geht an Johanna Strobl und Izabela Borek. *J Dtsch Dermatol Ges.* 2021 Aug;19(8):1251-1252. German. doi: 10.1111/ddg.14596_g.

* Equal contributions